

Great Plains CESU

Self-Assessment: University of Nebraska-Lincoln (host university)

Introduction and Historical Reflection: the Great Plains CESU and its Personnel during 2010-2014

The Great Plains CESU is hosted by the University of Nebraska-Lincoln. Offices are housed in the School of Natural Resources, which is an academic unit with faculty in the Institute of Agriculture and Natural Resources as well as the College of Arts and Sciences. A National Park Service Research Coordinator has traditionally been housed in the Great Plains CESU at UNL.

The office spaces provided by UNL include an office for the NPS Research Coordinator and an office for an administrative assistant. The Director of the Great Plains CESU has traditionally been a regular faculty member in the School of Natural Resources with some administrative capacity (i.e., research center director or associate director) or history of administrative experience.

Challenges

The Great Plains CESU has the potential to suffer a challenge of geography—the Great Plains is a geographic region that has some of the highest proportions of private land in the United States. As a result, the land area for public lands administered by federal agencies is often less than 5% of each member state. Thus, the Great Plains CESU will most likely never see the magnitude of projects and flow of federal dollars to non-federal partners that our sister CESUs in the western US enjoy. This factor affects funding and activity levels, and it is important to keep our accomplishments in perspective—relative to opportunities in the region.

During the period of the 2010 agreement, operating funds for the Great Plains CESU from the initial member fees for federal partners had largely disappeared, because no schedule for new support dollars was in place. The administrative assistant in the Great Plains CESU had moved to part time by the end of the 2005-2009 agreement, and this position was eliminated because of lack of funds for salary early in the period served by the 2010 CESU funding agreement. The CESU operated on minimal funds provided by DOD (joined late in the 2005-2009 agreement period) and Farm Service Agency (joined during the 2010 agreement period). In addition, the National Park Service provided some critical, sporadic base funding to keep basic operations and travel in place during the past 5 years.

In August of 2011, Dr. Larkin Powell agreed to become the Director of the Great Plains CESU when Dr. Sunil Narumalani moved to a higher administrative position in the Deans Office of the College of Arts and Sciences. Dr. Powell has a full set of responsibilities as a research/teaching faculty member in the School of Natural Resources (60% teaching/40% research), and no initial reduction in these responsibilities was supplied by UNL in return for serving as Director. In December of 2012, Dr. Gary Willson retired from his position as the National Park Service Research Coordinator. The NPS Research Coordinator position has remained empty until December 2014; the NPS has recently announced that Dr. Tanya Shenk will begin her role as Research Coordinator in the Great Plains CESU in late February, 2015.

As a result of a lack of base support through the CESU system and the retirement (without immediate replacement) of the NPS Research Coordinator, the Great Plains CESU has functioned with an effective staff of one person: the Director (Dr. Powell). And, for most of the period of the current agreement, Dr. Powell has filled that role on top of his regular expectations

as a faculty member. Functions of record-keeping, proactive work to stimulate research projects among partners, and the management of annual meetings were abandoned to allow focus on the basic functions required to keep the Great Plains CESU at a minimally functional level.

Bold steps forward

Despite the ability to work proactively during much of this agreement period, the Great Plains CESU has marked several impressive accomplishments. The 2010 CESU Agreement was amended four times to add 4 new non-federal partners (Oklahoma State University, University of Nebraska Medical Center, Texas Tech University, and our first NGO—World Wildlife Fund: Northern Great Plains) and 1 new federal partner (Farm Service Agency). The addition of FSA was a CESU-wide addition, sparked by primary interest in membership in the Great Plains CESU.

In addition, the Great Plains CESU succeeded in providing its own temporary 'fix' to the problem of base support. In September 2014, the Institute of Natural Resources (IANR) of UNL announced that they were supportive of a CESU-support proposal championed by Dr. Powell and the Director of the School of Natural Resources, Dr. John Carroll. IANR is providing, for a trial period of three years, a \$4,000/yr administrative stipend for the CESU Director, \$10,000/year to hire an adjunct faculty member to teach one of the CESU Director's courses, and \$15,000/year to support an office assistant for the Great Plains CESU.

In December of 2014, the CESU National System announced changes to host support that will improve the functionality of the CESU host universities by adding continual base support. The next agreement period, beginning in 2015, is set to be an impressive period for the Great Plains CESU. We have a new NPS Research Coordinator, on-site. We have institutional support for the CESU Director. And, we have the promise of continual support from our federal agency partners.

Renewal Criteria and Questions

Category A: Federal Responsibilities

Did each federal agency in the CESU...

1. Provide opportunities for coordinated, collaborative scientific and scholarly activities (i.e., research, technical assistance, and education) that inform stewardship of, and education about, public trust heritage resources in alignment with CESU, agency, and partner mission goals, programmatic objectives, and authorities? *Provide details, including reference to agency-support (or lack thereof) and activities over the current five-year term (e.g., number of projects; types of projects; management issues, topics, or subject matter areas).*

YES. Please see the attached list of projects funded by our federal partners. The Great Plains CESU facilitated the funding of 230 projects for \$17 million during 2010-2014. Although records are difficult to obtain in some cases, it appears that our federal partners were active in seeking out non-federal partners to provide the opportunities described here. In fact, each of our partner agencies funded projects with partners during this period.

2. Provide funds for basic support and salary for CESU host university (or other nonfederal partner institution) faculty/personnel, as appropriate? How have federal partners provided support to the host university over the current five-year term (both financial and in-kind)

specifically to support CESU operations? *Provide details regarding support (e.g., support by agency, fiscal year, instrument/mechanism) and associated expenditures.*

YES. During the current period, Farm Service Agency joined the Great Plains CESU, and their funds (\$10,000 minus the overhead of 17.5%) have been used to support the basic functions of the CESU. In addition, the National Park Service has provide two small infusions of money (e.g., \$1500) to keep basic operations in place. Other agencies were not asked for support by the Great Plains CESU, but the agencies (as a group) have now dedicated to a new arrangement for base support of the host universities.

3. Make available federal personnel to serve on the CESU Federal Managers Committee? Did all federal technical representatives actively participate in CESU federal managers committee activities, CESU partner meetings, and other CESU activities (e.g., communication, planning, reporting)? *Provide details, including reference to consistent agency participation (or lack thereof) over the current fiveyear term (identified by agency, as appropriate).*

NO (with a caveat). Federal contacts have been active in their submission of requests for statements of interest, which are posted on our new web page and emailed to non-federal partners. Federal contacts have been responsive when approached by the Director. It should be noted that federal contacts seem to shift constantly—the designation of technical representative has changed at least once for most federal agencies. This requires constant monitoring and updating to web pages. We now allow the national CESU system to keep the official web-based contact list to avoid confusion and redundant web pages.

The Great Plains CESU has not maintained a Federal Managers Committee, per se. Thus, federal agencies were not called upon for action. As a new Director during the 2010 agreement period, Dr. Powell was not aware of this requirement until very recently. Apparently, there was no perceived need for the Committee to act on anything other than base operations of funding agreements and solicitations for partnerships. A strategy for implementing this committee and setting objectives for its use and activities will be a part of the activities of the Great Plains CESU during the next agreement period.

4. Comply with CESU Network, host university, and nonfederal partner institution rules, regulations, and policies (e.g., professional conduct; health and safety; use of services and facilities; use of animals, recombinant DNA, infectious agents or radioactive substances) and ensure its employees follow the Code of Ethics for U.S. Government Employees? *Provide details, including examples of best practices or areas of concern (identified by agency, as appropriate).*

YES (presumed). The Great Plains CESU has no documentation of any violations of these policies. Such rules are traditionally stipulated in the contracts between federal agencies and non-federal partners.

5. Did federal agency employees actively participate in the activities of the host university and nonfederal partner institutions, including serving on graduate student committees or teaching courses? *Provide details, including examples of courses or other service activities.*

YES. The National Park Service provided a Research Coordinator during 2010-2012 during the 2010 agreement period. Dr. Gary Willson, in that role, was very active in the

School of Natural Resources. He came to faculty meetings and participated as a faculty member in the School. Following his retirement, Dr. Willson began to serve as an editor for a UNL-based journal, which shows the level of his integration into the host university.

Dr. Willson also supported a seminar in the School of Natural Resources during 2010 which featured speakers who had participated in CESU-facilitated research projects. He did not teach a course or serve on graduate committees at UNL.

USGS-based scientists serve in Cooperative Research Studies Units at several schools in the Great Plains CESU, providing high levels of support to graduate student training and graduate course development.

USFWS-based scientists serve in collaborative roles within an academic unit at Texas Tech University, and may be attached to other universities in the Great Plains CESU.

6. Take responsibility for their respective agency's role in administering the CESU agreement, transferring funds, and supervision of agency employees? *Provide details, including examples of best practices or areas of concern (identified by agency, as appropriate).*

YES. Some agencies, such as the National Park Service and the US Forest Service, have regional contacts who administer projects originating in the region. Other agencies, such as US Army Corps of Engineers and Natural Resource Conservation Service, have one office at a national level that administers projects.

It is the observation of the Director of the Great Plains CESU that the nationally-based administration of agreements can provide an expert in the CESU-type agreements whereas the regional-level administrators may be unfamiliar with the CECU agreements because they deal with them on a sporadic basis. However, the nationally-based administration can also lead to bottlenecks in the time required to complete agreements. Such is the case, recently, with agreements with the US Army Corps of Engineers—apparently caused by a relatively sharp increase in the number of partnerships that have used the CESU agreement process.

7. Provide administrative assistance, as appropriate, necessary to execute the CESU agreement and subsequent amendments or modifications (e.g., timely processing, signatures)? *Provide details, including reference to consistent and/or effective assistance (or lack thereof) over the current fiveyear term (identified by agency, as appropriate).*

YES. See above. We are unaware of any federal agency that has not executed CESU agreements because of a lack of will or interest. The timely processing of agreements, as indicated in the response to #6, above, has stagnated in US Army Corps of Engineers, as reported by some of our non-federal partners and our own experience.

Category B: Host University Responsibilities

Did the host university...

1. Allow and encourage its faculty to engage in participating federal agency sponsored research, technical assistance and education activities related to the CESU objectives? *Provide details, including description of faculty engagement and two highlighted/example projects.*

YES. Faculty at UNL are encouraged to seek federal funds through the GP CESU and develop partnerships with federal agencies. Examples of projects during this funding cycle:

- **Cosmic ray rover, funded by Department of Defense. A faculty member in the School of Natural Resources is working with DOD to test-prove the use of cosmic rays to assess soil moisture and ground water.**
- **Debris management for USGS tsunami scenario, funded by USGS. A faculty member is working with USGS to provide guidance and planning for debris management during tsunami conditions.**
- **Soil Survey Training Video Development and Support for International Union of Soil Scientists Soil Classification Conference, funded by NRCS. A faculty member provided educational products to train students and professionals as a means to support NRCS-related missions with a professional soils society.**

2. Provide basic administrative and clerical support over the current five-year term (i.e., in support of CESU operations)? *Provide details (e.g., nature and level of support).*

YES. The School of Natural Resources serves as the home to the Great Plains CESU. The School included the NPS Research Coordinator within its administrative structure, and the Director of the School of Natural Resources, Dr. John Carroll, provided support for the proposal that was eventually approved by the UNL IANR to provide base support for the Great Plains CESU and its Director. Dr. Carroll has visited with administrators at the National Park Service and Department of Defense during 2013-2014.

The School of Natural Resources provides basic secretarial support and computer support that benefits the Director of the Great Plains CESU and the NPS Research Coordinator. When base funds allowed, the School provided an office for an office administrator for the Great Plains CESU, and the School kept CESU offices available for the CESU during a period of extreme need for office space in Hardin Hall, the home for the School.

a. How much did it cost the host institution to support the CESU over the current five-year term? *Provide details (e.g., CESU-specific costs, Director and/or staff time, % FTE, travel, facilities, administrative services, equipment, supplies, communications, printing, web hosting).*

During 2010 to early 2014, the costs incurred by the University of Nebraska-Lincoln were in-kind costs of 10% of the CESU Director's salary (based on the 0.10 FTE approximated, but not budgeted, for the position). That amount would be approximately \$10,000 per year.

Starting in August 2014, IANR has dedicated \$29,000 per year in hard money to pay administrative stipend for the CESU Director (\$4,000), adjunct salary to allow for course reduction for the CESU Director (\$10,000), and part-time administrative assistance (\$15,000).

b. Where is the CESU Director's office officially stationed within the host institution (e.g., Office of the President, School of Natural Resources, Department of Forest Resources)? *Provide details (e.g., location relative to other departments, schools, greater organization), as appropriate.*

The CESU Director is a faculty member in the School of Natural Resources, and therefore their office is stationed in Hardin Hall (4th floor). The CESU offices for the NPS Research Coordinator and the CESU administrative assistant are on 5th floor of Hardin Hall.

3. Provide access for CESU federal agency personnel (e.g., CESU Research Coordinator) to campus facilities, including library, laboratories, and computer facilities? *Provide details and examples.*

YES. The NPS Research Coordinator has access to library services as an unpaid faculty member in the School of Natural Resources. The School also provides a computer network and technologists for computer service. Dr. Willson did not request access for laboratories. The needs of the new NPS RC, Dr. Tanya Shenk, will be assessed when she arrives in her position.

4. Provide suitable office space, furniture and laboratory space, utilities, computer network access and basic telephone service for CESU federal agency personnel (e.g., CESU Research Coordinator) to be located at the Host University? *Provide details (e.g., challenges, successful approaches, examples).*

YES. The NPS Research Coordinator has a faculty-level office in Hardin Hall in the School of Natural Resources. All above amenities are provided, with the exception of laboratory space—as none was requested by the former Research Coordinator. The School was dedicated to providing this office space, and the School kept the CESU office available through the 2+ years of absence of the Research Coordinator. During this period, demand for office space in Hardin Hall was high because of a lack of offices for on-campus personnel.

5. Offer educational and training opportunities to participating federal agency employees, as appropriate? *Provide details (e.g., number of trainings, number of people, course dates, course descriptions).*

YES. There were no specific requests for training that were spawned because of the CESU agreement during the 2010 agreement period. However, faculty in the School of Natural Resources have multiple cooperative partnerships with federal partners that are CESU partners. The School provided the following specific training or workshop-based information to federal partners:

- **Adaptive management process facilitation for the Missouri River system (USACE and USFWS were strong federal participants).**
- **Multiple workshops taught at the National Conservation Training Center on decision-making (USFWS and USGS federal participants).**

6. Coordinate activities, as appropriate, with the CESU federal, tribal, and nonfederal partners and develop administrative policies for such coordination? *Provide details.*

YES. We developed a new web page to facilitate the advertisement of possible partner opportunities during 2013. We have efficient email lists for all types of partners (federal, non-federal, technical, grants/agreements contacts) that we use to communicate and advertise opportunities.

a. Was a CESU Managers Committee maintained and convened, at least annually? *Please provide details (e.g., meeting dates, meeting agendas, number/affiliation of participants, meeting minutes).*

NO. As explained above, the Great Plains CESU Director was not aware of the need or presence of the CESU Managers Committee until very recently.

b. Were periodic meetings of the CESU partners convened, at least annually, for the purpose of collaboration and coordination of CESU activities? *Provide details (e.g., meeting dates, meeting agendas, level of participation, affiliation of participants, meeting minutes).*

NO. We did not have an annual meeting because of the minimal ability to maintain functions such as this during this agreement period—a result of a lack of base support to the CESU. The Great Plains CESU Director did participate in the National CESU meeting at Howard University in June, 2012. And, the Great Rivers CESU sponsored a joint Annual Meeting in which Dawn Bringelson, Interim NPS RC participated in September 2013 in Godfrey, IL.

With minimal staff support, an Annual Meeting has been judged to be something that the Great Plains CESU could not support by itself. Additionally, the Director has a perception that federal travel restrictions will prevent most federal partners from attending a meeting specific to the Great Plains CESU. Lastly, it is not clear how to get representatives from non-federal partners to come to an annual meeting. To overcome these hurdles, the Great Plains CESU decided to co-sponsor a scientific meeting held in Lincoln, NE in April 2014—a Drought Symposium. The logic was that faculty from non-federal agencies might attend the Symposium to further their professional development, and we could host an Annual Meeting associated with the Symposium. The decision for this 2014 annual meeting happened too late for adequate response, but the template for a new approach may bode well for future annual meetings if we can associate them with a conference or symposium in the region. In fact, other CESU regions have done exactly this method, with success.

c. What efforts were made to communicate each tribal and nonfederal partner institution's strengths and expertise to the federal partners (e.g., listing investigators on the CESU website, expertise database, meetings)? *Provide details (e.g., challenges, successful approaches).*

This effort was very minimal during the 2010 agreement period. The lack of base support prevented proactive activities such as this. However, whenever a federal partner inquired of the Great Plains CESU for support of a potential project, the Director immediately became involved in email and web-based outreach to find potential non-federal partners.

d. How were federal funding announcements and/or other opportunities communicated to partners across the CESU? *Provide details (e.g., challenges, successful approaches).*

The Director emailed all announcement to all non-federal technical representatives for distribution. In addition, they were posted on a new page on our web site designated for these announcements. Our new web page was designed by the Director and hosted on the wix.com site to enable rapid posting through web-based editing of the web page, rather than software-based editing (e.g., Dreamweaver) that had become too

cumbersome for quick actions needed by our federal partners. The response to the new web page has been fantastic.

Category C: Participation of all Partners

1. What efforts did the host university, tribal, nonfederal, and federal partners undertake to engage students in projects and other activities of the CESU? *Provide details (e.g., challenges, best practices, statistics for graduate and undergraduate student involvement, example projects).*

We are unable to provide detailed statistics on the presence of graduate students or undergraduate students on each project funded through the GP CESU. However, it can be easily assumed—because of the nature of these projects and the structure of universities—that students were trained under the majority of the projects, if not all projects. The GP CESU offices at UNL have used students in office support positions, so that they became familiar with the function of the federal government and university system. Student projects from the GP CESU were displayed in posters at the annual meetings of the CESU system and the joint annual meetings that were supported by the GP CESU.

2. Did all partners actively participate in CESU activities (e.g., meetings, phone calls, signing amendments, strategic planning, reporting)? *Provide details (e.g., if not, why not? Participation statistics, challenges to participation, successful approaches, best practices).*

All federal agencies have been active in funding projects through the CESU. During the past reporting year, we have had limited opportunity for agencies to participate in annual meetings specific to the Great Plains CESU.

3. What percentage of partners received funding through the CESU over the current five-year term?

Provide details (e.g., partner funding statistics, notable barriers, successful approaches).

Sixteen of the 21 non-federal partners were reported to have received funding through the CESU during this reporting period. Note that USFWS did not report project funding, so this estimate is conservative. The notable barrier to funding is communication avenues between federal agencies and specific universities. Universities who take a proactive stance with regard to visiting federal agencies and engaging managers in federal agencies are generally more successful. We do distribute requests for statements of interest to partners, but most projects never engage in advertisement that communicates availability to all members.

4. What efforts were made to encourage and broaden participation in the CESU by all partners (e.g., HBCUs, tribal colleges, small academic institutions, state and local government agencies)? *Provide details (e.g., participation statistics, challenges to participation, successful and/or novel approaches).*

The Great Plains CESU grew by three non-federal partners and one federal partner during this reporting period. We need to address the lack of tribal college participation in the CESU during the next funding cycle.

5. What is the date of the most current version of the CESU's strategic plan? How well do the activities of the CESU reflect the priorities and objectives outlined in the plan? *Provide details (e.g., challenges, best practices, example projects).*

The strategic plan, and the presence of such, was not relayed to Dr. Powell when he took over as the Director, and the date of the most recent strategic plan is unknown. A new strategic plan will be developed for the 2015 agreement period with the national CESU system and the Great Plains CESU's new NPS Research Coordinator, Dr. Tanya Shenk.

6. Did the participating federal agencies, host university, tribal, and nonfederal partners develop and follow annual work plans to guide the activities of the CESU? *Provide details (e.g., challenges, successful approaches, example projects).*

UNKNOWN. This information is not available to the Great Plains CESU.

7. Have partners successfully obtained the tribal, federal, state, or local government permits and/or permissions from private landowners necessary to execute projects under the CESU agreement over the current five-year term? *Provide details (e.g., challenges, successful approaches, examples).*

UNKNOWN, but assumed YES. The Great Plains CESU has no mechanism to record this information. However, we have received no reports of problems in this area.

8. What instances exist where projects, programs, or partners have derived benefit as a result of the established CESU relationship, independent of federal awards administered through the CESU (i.e., where simply being a partner in the CESU aided furtherance of other efforts; without/outside direct funding through a CESU project award)? *Provide a brief description of any such examples.*

A good example of this would be a new agreement for funding through the US Army Corps of Engineers: Kansas City District. USACE has an agreement with 5 universities in the Great Rivers, Great Rivers, and Rocky Mountain region of the CESU system. The agreement sets up an approved funding agreement of up to a certain dollar amount, under which individual projects can be immediately generated and approved. The mechanism is apparently intended to solve the problem of paper work for each small project that USACE needs. The universities that are a part of the agreement (including University of Nebraska-Lincoln, University of Missouri-Columbia, Kansas State University, and Colorado State University) most likely increased their chances at winning the bids for this position because of their work through CESU-type agreements with USACE in the past.

Table 1. Federal funds distributed within the Great Plains CESU: 2010-2014. USFWS did not report to the Great Plains CESU.

Agency	\$ Total	# Projects
BLM	360213.7	7
DOD	2725083	19
FSA	60000	1
NPS	2110095	79
NRCS	1443826	18
US BoR	86306	2
USFS	6846925	81
USFWS	?	?
USACE	2002719	9
USGS	1378912	14

TOTAL **17,014,079** **230**

Figure 1. Relative federal funds distributed within the Great Plains CESU: 2010-2014. USFWS did not report to the Great Plains CESU.

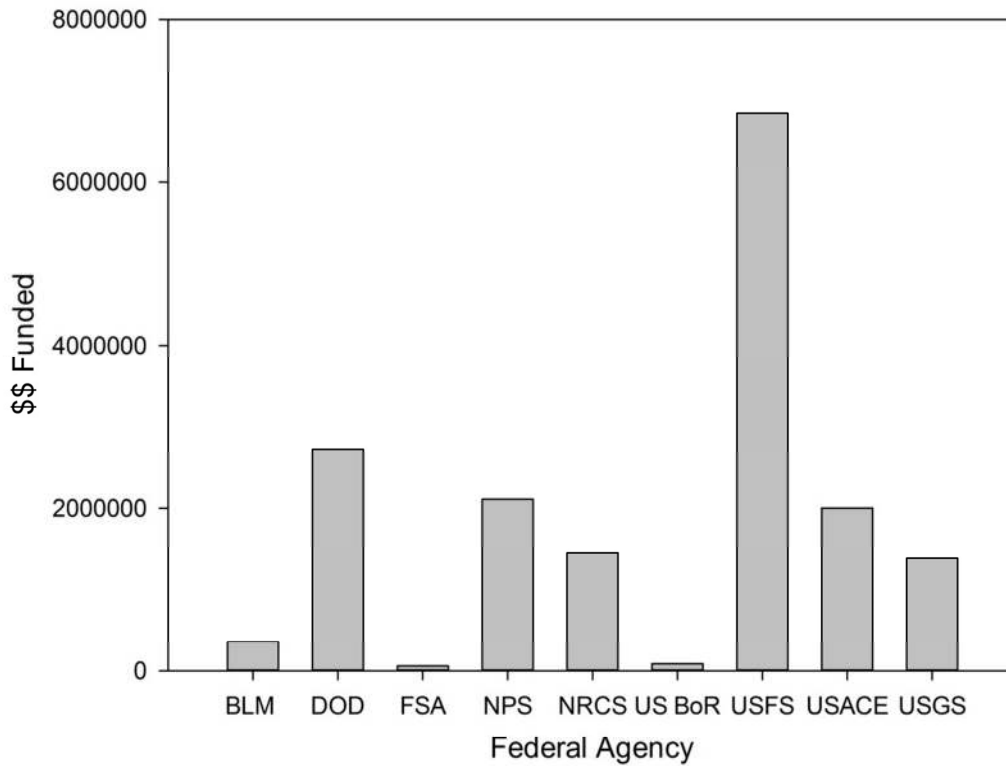
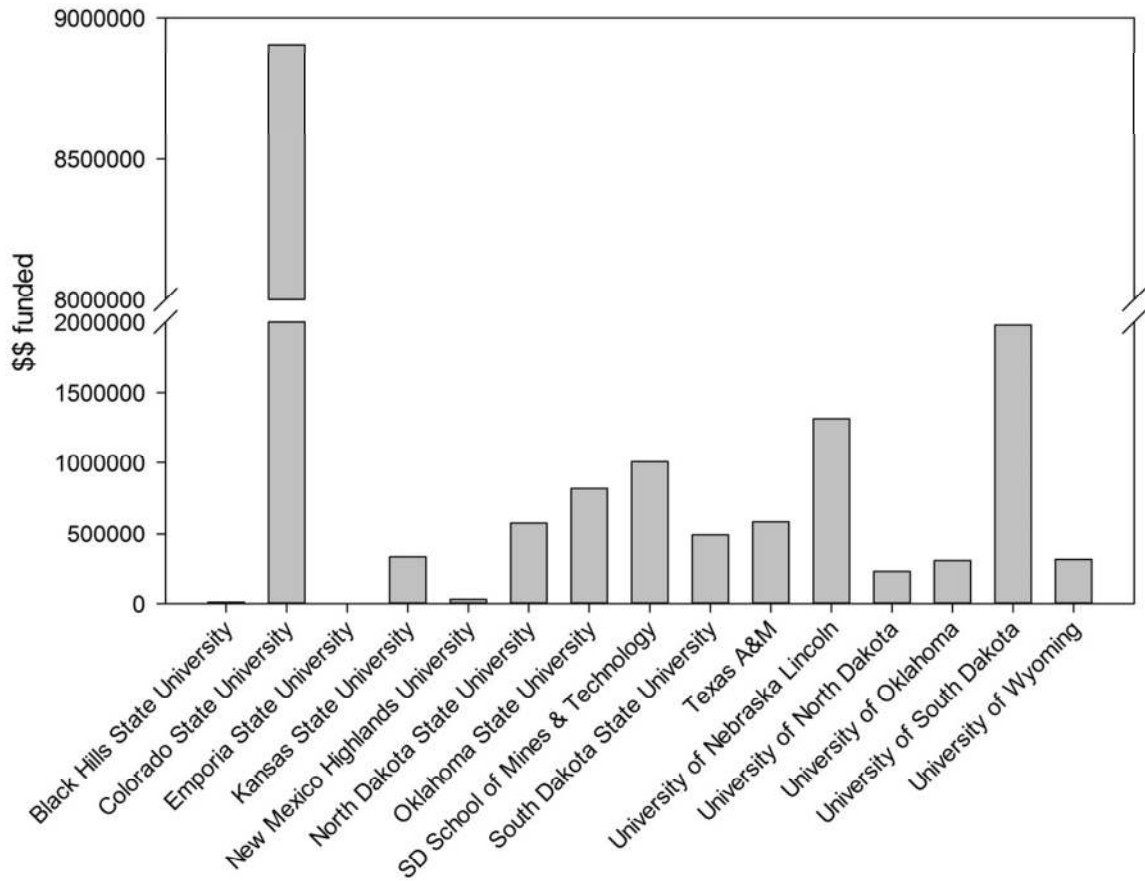


Table 2. Federal funds distributed to 16 of 21 universities within the Great Plains CESU: 2010-2014. Universities not listed did not receive federal funds (or no record of transaction was provided by a reporting federal agency). NOTE: USFWS and USACE did not report to the Great Plains CESU.

University	\$ Total	# Projects*
Black Hills State University	9,900	2
Colorado State University	8,905,542	85
Emporia State University	2,497	2
Langston University	0	0
Kansas State University	330,644	10
New Mexico Highlands University	30,386	2
North Dakota State University	575,414	5
Oklahoma State University	818,318	6
South Dakota School of Mines & Technology	1,006,267	20
South Dakota State University	493,282	13
Texas A&M	583,780	4
Texas Tech University	0	0
University of Minnesota	0	0
University of Nebraska-Lincoln	1,315,002	39
University of Nebraska Medical Center	0	0
University of North Dakota	227,728	2
University of Oklahoma	304,858	4
University of South Dakota	1,978,882	18
University of Wyoming	313,000	10
Winona State University	0	0
WWF: Northern Great Plains	0	0

**Includes renewals and modifications*

Figure 2. *Relative federal funds distributed to Universities within the Great Plains CESU: 2010-2014. NOTE: USFWS did not report to the Great Plains CESU.*



APPENDIX 1. Projects funded (and reported) through the Great Plains CESU during 2010-2014 (does not include USFWS).

Agency	Cooperative Agreement	Project Title	University	\$\$ Amount	Start Date	End Date
DOD	W9126G-11-2-0068	Evaluation of Effects of Late Summer/Fall Burning on Soils and Vegetation at fort Riley Military Installation, Kansas		40,500.00	30-Sep-12	
DOD	W9126G-11-2-0051	Development of Genetic Management and Enhancement Strategies to Promote Sensitive species Recovery	University of South Dakota	160,000.00	13-Sep-12	
DOD	W9126G-12-2-0009	Environmental Evaluations for Airburst non-Lethal Weapon System	Kansas State University	35,500.00	10-Apr-13	
DOD	W9126G-12-2-0058	Military Training Habitat Map and Analyses Support for Fort Hunter Liggett	Colorado State University	194,100.00	14-Oct-14	
DOD	W9126G-12-2-0057	National Historic Preservation Act (NHPA) Section 110 Assistance for Cultural Resources Program, Joint Base Charleston; Charleston, South Carolina	Colorado State University	164,976.00	12-Feb-13	
DOD	W9126G-12-2-0009 P00001	Environmental Evaluations for Airburst non-Lethal Weapon System	Kansas State University			10-Apr-14
DOD	W9126G-11-2-0051 P00001	Development of Genetic Management and Enhancement Strategies to Promote Sensitive species Recovery	University of South Dakota			12-Mar-14
DOD	W9126G-13-2-0049	Joint Non-Lethal Weapons MOA and Job Aid	Kansas State University	65,500.00	30-Sep-13	30-Oct-14
DOD	W9126G-13-2-0038	Wetlands Condition Assessment and Management Plan	Oklahoma State University	140,306.00	30-Sep-13	31-Dec-14
DOD	W9126G-13-2-0047	Invasive earthworms	Oklahoma State University	174,500.00	30-Sep-13	30-Sep-14
DOD	W9126G-12-2-0009 P00002	Environmental Evaluations for Airburst non-Lethal Weapon System	Kansas State University		11-Apr-12	10-Oct-14
DOD	W9126G-14-2-0020	Natural Resources Assistance for AFCEC	Colorado State University	120,980.00	25-Jul-14	24-Jul-15
DOD	W9126G-14-2-0061	5 Tasks: Spp at Risk, Prairie Dog and Burrowing Owl and Lesser Prairie Chicken; Mgmt Spp, Migratory Birds; Mgmt, Invasive Spp	Texas A&M	255,780.00	26-Sep-14	25-Sep-16
DOD	W9126G-14-2-0073	Natural Resource Technician Support	University of Oklahoma	66,881.00	30-Sep-14	29-Sep-15

DOD	W9126G-14-2-0058	Environmental Services Support	Texas A&M	163,500.00	30-Sep-14	29-Sep-15
DOD	W9126G-14-2-0069	Fire Risk Assessment on Army Installations	Colorado State University	778,999.95	30-Sep-14	31-Dec-15
DOD	W9126G-14-2-0035	Cosmic-ray Rover	University of Nebraska	50,000.00		
DOD	W9126G-14-2-0050	Sikes Act Support	Colorado State University	169,060.00	30-Sep-14	29-Sep-15
DOD	W9126G-14-2-0039	Natural Resource Technician Support	Texas A&M	144,500.00	19-Sep-14	18-Sep-15
US Forest Service	10-JV-11221634-285	HOW DOES LOSS OF FOREST IMPACT STREAMS	Kansas State University	24,500.00	8/19/2010	8/20/2015
US Forest Service	10-JV-11221634-285	HOW DOES LOSS OF FOREST IMPACT STREAMS	Kansas State University	15,000.00	8/19/2010	8/20/2015
US Forest Service	10-JV-11221632-227	INFLUENCE OF FIRE AND RESTORATION ON OCCUPANCY PATTERNS OF ONE OR MORE STATE-LISTED SPECIES	New Mexico Highlands University	22,609.00	8/13/2010	12/30/2014
US Forest Service	10-JV-11221632-227	INFLUENCE OF FIRE AND RESTORATION ON OCCUPANCY PATTERNS OF ONE OR MORE STATE-LISTED SPECIES	New Mexico Highlands University	7,777.00	8/13/2010	12/30/2014
US Forest Service	12-JV-11221632-141	ADVANCING PONDEROSA PINE SILVOPASTURE IN THE WEST	South Dakota State University	16,000.00	8/3/2012	2/27/2015
US Forest Service	14-JV-11221632-048	VALUATING THE POTENTIAL ROLE OF BELOW GROUND BUD BANKS IN PROVIDING RESISTANCE AND RESILIENCE TO CLIMATE CHANGE IN GRASSLAND ECOSYSTEMS	South Dakota State University	54,750.00	3/4/2014	8/15/2016
US Forest Service	11-JV-11221632-090	ESTABLISHMENT OF INVASIVE SPECIES IN POST-FIRE SEEDING TREATMENTS	University of Wyoming	15,000.00	4/25/2011	9/30/2012
US Forest Service	11-JV-11221636-141	GENERAL EQUILIBRIUM IMPACT OF WATER SHORTAGES IN THE COLORADO RIVER BASIN	University of Wyoming	60,000.00	8/11/2011	12/31/2015
US Forest Service	11-JV-11221636-162	SYNTHESIZING RANGELAND SUSTAINABILITY RESEARCH AND EXAMINING AND COMMUNICATING APPLICABILITY AND REVELANCE TO POLICY-MAKERS AND LAND MANAGERS	University of Wyoming	25,000.00	8/29/2011	9/30/2016

US Forest Service	11-JV-11221636-162	SYNTHESIZING RANGELAND SUSTAINABILITY RESEARCH AND EXAMINING AND COMMUNICATING APPLICABILITY AND REVELANCE TO POLICY-MAKERS AND LAND MANAGERS	University of Wyoming	25,000.00	8/29/2011	9/30/2016
US Forest Service	14-JV-11221634-103	SYNTHESIS AND MODELING OF CONIFER FOREST REGENERATION AFTER MOUNTAIN PINE BEETLE EPIDEMICS: THE ROLE OF DROUGHT AND CLIMATE CHANGE	University of Wyoming	50,000.00	6/30/2014	7/31/2018
US Forest Service	06-JV-11221617-141	ECONOMIC ANALYSIS OF AIR QUALITY IMPACTS OF FOREST FIRES	COLORADO STATE UNIVERSITY	42,162.00	7/3/2006	7/2/2011
US Forest Service	07-JV-11221602-264	HYDRAULIC, HYDROLOGIC, GEOMORPHIC, SEDIMENT & INVESTIGATIONS OF THE MIDDLE RIO GRANDE BASIN	COLORADO STATE UNIVERSITY	565,820.00	8/24/2007	8/23/2012
US Forest Service	07-JV-11221602-264	HYDRAULIC, HYDROLOGIC, GEOMORPHIC, SEDIMENT & INVESTIGATIONS OF THE MIDDLE RIO GRANDE BASIN	COLORADO STATE UNIVERSITY	508,336.00	8/24/2007	8/23/2012
US Forest Service	07-JV-11221611-259	STOCHASTIC AND CHANCE-CONSTRAINED PROGRAMMING SYSTEMS FOR SUSTAINABLE FOREST PLANNING	COLORADO STATE UNIVERSITY	61,999.98	7/26/2007	7/26/2012
US Forest Service	07-JV-11221611-260	STOCHASTIC AND CHANCE-CONSTRAINED PROGRAMMING SYSTEMS FOR FIRE PLANNING	COLORADO STATE UNIVERSITY	6,000.00	8/3/2007	7/31/2012
US Forest Service	07-JV-11221611-260	STOCHASTIC AND CHANCE-CONSTRAINED PROGRAMMING SYSTEMS FOR FIRE PLANNING	COLORADO STATE UNIVERSITY	22,512.00	8/3/2007	7/31/2012
US Forest Service	07-JV-11221616-252	EVOLUTION OF RESISTANCE TO AN EXOTIC PATHOGEN IN HIGH ELEVATION WHITE PINES	COLORADO STATE UNIVERSITY	46,010.00	8/6/2007	8/5/2012
US Forest Service	07-JV-11221665-253	EVALUATING POSTFIRE SALVAGE LOGGING EFFECTS ON EROSION	COLORADO STATE UNIVERSITY	106,296.50	8/8/2007	4/1/2012

US Forest Service	07-JV-11221665-253	EVALUATING POSTFIRE SALVAGE LOGGING EFFECTS ON EROSION	COLORADO STATE UNIVERSITY	45,487.72	8/8/2007	4/1/2012
US Forest Service	07-JV-11221665-253	EVALUATING POSTFIRE SALVAGE LOGGING EFFECTS ON EROSION	COLORADO STATE UNIVERSITY	13,985.40	8/8/2007	4/1/2012
US Forest Service	09-JV-11221633-278	IMPACT OF MOUNTAIN PINE BEETLE AND SPRUCE BEETLE ON FOREST CARBON AND WATER BALANCE	COLORADO STATE UNIVERSITY	136,000.00	8/18/2009	12/31/2012
US Forest Service	09-JV-11221633-278	IMPACT OF MOUNTAIN PINE BEETLE AND SPRUCE BEETLE ON FOREST CARBON AND WATER BALANCE	COLORADO STATE UNIVERSITY	69,540.00	8/18/2009	12/31/2012
US Forest Service	09-JV-11221633-278	IMPACT OF MOUNTAIN PINE BEETLE AND SPRUCE BEETLE ON FOREST CARBON AND WATER BALANCE	COLORADO STATE UNIVERSITY	51,689.94	8/18/2009	12/31/2012
US Forest Service	09-JV-11221633-316	SUMMARIZING SUBCORTICAL TEMPERATURES IN BARK BEETLE-KILLED TREES	COLORADO STATE UNIVERSITY	23,187.02	9/8/2019	5/31/2013
US Forest Service	09-JV-11221634-164	EFFECTS OF MOUNTAIN PINE BEETLE AND FOREST MANAGEMENT ON WATER QUANTITY, QUALITY AND FOREST RECOVERY - NORTH PLATTE AND UPPER COLORADO RIVER BASINS	COLORADO STATE UNIVERSITY	117,594.00	5/22/2009	5/21/2014
US Forest Service	09-JV-11221634-164	EFFECTS OF MOUNTAIN PINE BEETLE AND FOREST MANAGEMENT ON WATER QUANTITY, QUALITY AND FOREST RECOVERY - NORTH PLATTE AND UPPER COLORADO RIVER BASINS	COLORADO STATE UNIVERSITY	220,936.00	5/22/2009	5/21/2014
US Forest Service	09-JV-11221634-164	EFFECTS OF MOUNTAIN PINE BEETLE AND FOREST MANAGEMENT ON WATER QUANTITY, QUALITY AND FOREST RECOVERY - NORTH PLATTE AND UPPER COLORADO RIVER BASINS	COLORADO STATE UNIVERSITY	114,335.22	5/22/2009	5/21/2014

US Forest Service	09-JV-11221634-187	SOIL AND PLANT REHABILITATION OF SLASH PILE BURN SCARS	COLORADO STATE UNIVERSITY	50,000.00	7/1/2009	6/1/2012
US Forest Service	09-JV-11221634-253	WATER & CARBON STORAGE IN PEATLAND OF THE ROCKY MOUNTAINS:ECOSYSTEM INDICATORS OF CLIMATE CHANGE	COLORADO STATE UNIVERSITY	72,000.00	8/17/2009	8/17/2014
US Forest Service	09-JV-11221634-253	WATER & CARBON STORAGE IN PEATLAND OF THE ROCKY MOUNTAINS:ECOSYSTEM INDICATORS OF CLIMATE CHANGE	COLORADO STATE UNIVERSITY	28,640.00	8/17/2009	8/17/2014
US Forest Service	09-JV-11221634-334	DETERMINING WATER CHEMISTRY AND FLOW FROM GLEES CATCHMENTS	COLORADO STATE UNIVERSITY	11,000.00	9/9/2009	10/30/2010
US Forest Service	09-JV-11221636-243	ASSESSMENT OF WATERSHED CONDITION IN COLORADO, WITH IMPLICATIONS FOR FUELS MANAGEMENT	COLORADO STATE UNIVERSITY	35,199.24	7/31/2009	12/1/2013
US Forest Service	09-JV-11221638-329	DEVELOPING STATISTICAL TOOLS FOR MOVING REMOTE SENSING TECHNOLOGIES INTO INVENTORY AND MONITORING APPLICATIONS	COLORADO STATE UNIVERSITY	20,112.00	9/2/2009	9/1/2014
US Forest Service	09-JV-11221639-231	ON-LINE MEDIA, PLACE MEANINGS AND COLORADO WILDERNESS	COLORADO STATE UNIVERSITY	36,062.00	7/24/2009	8/23/2014
US Forest Service	09-JV-11221639-231	ON-LINE MEDIA, PLACE MEANINGS AND COLORADO WILDERNESS	COLORADO STATE UNIVERSITY	24,776.00	7/24/2009	8/23/2014
US Forest Service	10-JV-11221631-283	NATURAL RESOURCES SCIENCE CAMP	COLORADO STATE UNIVERSITY	8,161.95	8/20/2010	9/30/2010
US Forest Service	10-JV-11221632-225	EVALUATION OF INVASIVE POTENTIAL AND MANAGEMENT OPTIONS FOR HYBRID TOADFLAX POPULATIONS	COLORADO STATE UNIVERSITY	24,620.00	8/4/2010	8/31/2014
US Forest Service	10-JV-11221632-225	EVALUATION OF INVASIVE POTENTIAL AND MANAGEMENT OPTIONS FOR HYBRID TOADFLAX POPULATIONS	COLORADO STATE UNIVERSITY	5,000.00	8/4/2010	8/31/2014

US Forest Service	10-JV-11221634-274	PROCESSING HYDROLOGICAL & BIOGEOCHEMICAL DATA FROM GLEES FOR FIA	COLORADO STATE UNIVERSITY	10,000.00	8/19/2010	9/30/2011
US Forest Service	10-JV-11221636-273		COLORADO STATE UNIVERSITY	43,141.00		
US Forest Service	10-JV-11221636-273	SOCIAL AND ECONOMICS ASPECTS OF BIOMASS UTILIZATION AND THE NATIONAL FORESTS	COLORADO STATE UNIVERSITY	3,000.00	8/16/2010	9/30/2015
US Forest Service	11-JV-11221611-216	ROCKY MOUNTAIN RESEARCH STATION FUTURE FOREST WEBINAR SERIES AND ADDITIONAL SCIENCE APPLICATION AND DELIVERY EFFORTS IN THE INTERIOR WEST	COLORADO STATE UNIVERSITY	30,588.00	9/1/2011	12/31/2015
US Forest Service	11-JV-11221611-216	ROCKY MOUNTAIN RESEARCH STATION FUTURE FOREST WEBINAR SERIES AND ADDITIONAL SCIENCE APPLICATION AND DELIVERY EFFORTS IN THE INTERIOR WEST	COLORADO STATE UNIVERSITY	50,864.64	9/1/2011	12/31/2015
US Forest Service	11-JV-11221611-216	ROCKY MOUNTAIN RESEARCH STATION FUTURE FOREST WEBINAR SERIES AND ADDITIONAL SCIENCE APPLICATION AND DELIVERY EFFORTS IN THE INTERIOR WEST	COLORADO STATE UNIVERSITY	41,579.20	9/1/2011	12/31/2015
US Forest Service	11-JV-11221633-177	GENETIC FOUNDATION FOR SUSTAINING HIGH ELEVATION WHITE PINES	COLORADO STATE UNIVERSITY	95,992.00		
US Forest Service	11-JV-11221633-177		COLORADO STATE UNIVERSITY	33,734.00	8/22/2011	8/15/2016
US Forest Service	11-JV-11221633-182	EVALUATING THE PERFORMANCE OF THE PONDEROSA PINE DIAMETER GROWTH MODEL FOR MULTI-AGED STANDS IN TEH BLACK HILLS, CENTRAL ROCKIES VARIANT OF FVS	COLORADO STATE UNIVERSITY	5,000.00	8/10/2011	12/31/2012
US Forest Service	11-JV-11221633-207	ACCOUNTING FOR SPATIAL AND TEMPORAL VARIABILITY IN FIRE SPREAD USING PHYSICS-BASED MODELS	COLORADO STATE UNIVERSITY	112,704.00	8/19/2011	8/18/2016

US Forest Service	11-JV-11221634-212	A BIBLIOGRAPHY OF RESEARCH AT THE GLACIER LAKES ECOSYSTEM EXPERIMENTS SITE	COLORADO STATE UNIVERSITY	3,998.68	8/31/2011	6/30/2012
US Forest Service	11-JV-11221636-052		COLORADO STATE UNIVERSITY	64,000.00	3/14/2011	2/28/2016
US Forest Service	11-JV-11221636-052	CONSERVATION IMPACTS OF CLUSTERED HOUSING DEVELOPMENTS	COLORADO STATE UNIVERSITY	30,000.00	3/14/2011	2/28/2016
US Forest Service	11-JV-11221636-052	CONSERVATION IMPACTS OF CLUSTERED HOUSING DEVELOPMENTS	COLORADO STATE UNIVERSITY	20,000.00	3/14/2011	2/28/2016
US Forest Service	11-JV-11221636-146	A RISK-CONTROLLED APPROACH TO OPTIMIZING WILDLAND FIRE OPERATIONS	COLORADO STATE UNIVERSITY	54,000.00	7/19/2011	9/15/2014
US Forest Service	11-JV-11221636-146	A RISK-CONTROLLED APPROACH TO OPTIMIZING WILDLAND FIRE OPERATIONS	COLORADO STATE UNIVERSITY	86,966.00	7/19/2011	9/15/2014
US Forest Service	11-JV-11221636-146	A RISK-CONTROLLED APPROACH TO OPTIMIZING WILDLAND FIRE OPERATIONS	COLORADO STATE UNIVERSITY	28,242.00	7/19/2011	9/15/2014
US Forest Service	11-JV-11221638-208	STATISTICAL PROCEDURES FOR INTEGRATING LANDSAT-BASED LAND COVER CHANGE INFORMATION INTO FIA'S ESTIMATION PROCESS	COLORADO STATE UNIVERSITY	125,045.00	8/18/2011	9/1/2016
US Forest Service	11-JV-11221639-113	HISTORIC RANGE OF VARIABILITY ASSESSMENT OF SPRUCE BEETLE OUTBREAKS AND FIRE IN SPRUCE-FIR FORESTS OF THE SAN JUAN MOUNTAINS, COLORADO	COLORADO STATE UNIVERSITY	24,949.79	6/17/2011	9/30/2012
US Forest Service	12-JV-11221635-171	THE 2006 KAIBAB PLATEAU WARM FIRE: EFFECTS OF FIRE SEVERITY ON THE NORHTERN GOSHAWK FOOD WEB	COLORADO STATE UNIVERSITY	26,000.00	8/22/2012	12/31/2014
US Forest Service	12-JV-11221635-171		COLORADO STATE UNIVERSITY	10,000.00	8/22/2012	12/31/2014
US Forest Service	12-JV-11221636-142	IMPLICATIONS OF CLIMATE CHANGE ON NATURE-BASED TOURISN AND/OR AMENITY MIGRATION IN THE SHOSHONE NF AREA	COLORADO STATE UNIVERSITY	90,000.00	8/10/2012	6/30/2015

US Forest Service	12-JV-11221636-142	IMPLICATIONS OF CLIMATE CHANGE ON NATURE-BASED TOURISM AND/OR AMENITY MIGRATION IN THE SHOSHONE NF AREA	COLORADO STATE UNIVERSITY	60,000.00	8/10/2012	6/30/2015
US Forest Service	12-JV-11221636-142	IMPLICATIONS OF CLIMATE CHANGE ON NATURE-BASED TOURISM AND/OR AMENITY MIGRATION IN THE SHOSHONE NF AREA	COLORADO STATE UNIVERSITY	30,000.00	8/10/2012	6/30/2015
US Forest Service	12-JV-11221636-145	TESTING TIMBER/DEER OPTIMIZATION MODEL ON THE TONGASS NF	COLORADO STATE UNIVERSITY	38,800.00	8/8/2012	12/31/2015
US Forest Service	12-JV-11221636-145	TESTING TIMBER/DEER OPTIMIZATION MODEL ON THE TONGASS NF	COLORADO STATE UNIVERSITY	4,000.00	8/8/2012	12/31/2015
US Forest Service	13-JV-11221601-150	COOPERATIVE RESEARCH ECOLOGICAL STATISTICS	COLORADO STATE UNIVERSITY	130,000.00	7/26/2013	7/25/2018
US Forest Service	13-JV-11221601-150	COOPERATIVE RESEARCH ECOLOGICAL STATISTICS	COLORADO STATE UNIVERSITY	153,500.00	7/26/2013	7/25/2018
US Forest Service	13-JV-11221611-171	ASSISTING NATIONAL FORESTS IN UPDATING MONITORING AND ADAPTIVE MANAGEMENT PROGRAMS UNDER THE 2012 PLANNING RULE	COLORADO STATE UNIVERSITY	50,000.00	8/6/2013	6/30/2015
US Forest Service	13-JV-11221633-058	DOES CREATION OF GROUPY/CLUMPY FOREST STRUCTURE REDUCE WILDFIRE HAZARDS	COLORADO STATE UNIVERSITY	188,000.00	2/27/2013	10/1/2015
US Forest Service	13-JV-11221633-058	DOES CREATION OF GROUPY/CLUMPY FOREST STRUCTURE REDUCE WILDFIRE HAZARDS	COLORADO STATE UNIVERSITY	86,000.00	2/27/2013	10/1/2015
US Forest Service	13-JV-11221633-079	IDENTIFYING REFERENCE CONDITIONS FOR P. PINE & CON FORESTS OF CFR & BH	COLORADO STATE UNIVERSITY	273,596.70	4/9/2013	9/30/2015
US Forest Service	13-JV-11221633-079	IDENTIFYING REFERENCE CONDITIONS FOR P. PINE & CON FORESTS OF CFR & BH	COLORADO STATE UNIVERSITY	301,650.00	4/9/2013	9/30/2015
US Forest Service	13-JV-11221633-083	CHARACTERIZING PATTERNS FOLLOWING LARGE WILDFIRES	COLORADO STATE UNIVERSITY	185,436.00	4/29/2013	9/30/2016

US Forest Service	13-JV-11221633-083	CHARACTERIZING PATTERNS FOLLOWING LARGE WILDFIRES	COLORADO STATE UNIVERSITY	197,788.00	4/29/2013	9/30/2016
US Forest Service	13-JV-11221634-069	MECHANISMS AND CONTROLS ON POST FIRE SEDIMENT DELIVERY: THE HIGH PARK BURN	COLORADO STATE UNIVERSITY	69,442.40	4/3/2013	4/1/2016
US Forest Service	13-JV-11221634-069	MECHANISMS AND CONTROLS ON POST FIRE SEDIMENT DELIVERY: THE HIGH PARK BURN	COLORADO STATE UNIVERSITY	75,000.00	4/3/2013	4/1/2016
US Forest Service	13-JV-11221634-164		COLORADO STATE UNIVERSITY	100,000.00	8/12/2013	7/31/2018
US Forest Service	13-JV-11221635-139	ANALYSIS OF LONG-TERM DEMOGRAPHIC PERFORMANCE OF NORTHERN GOSHAWKS AND ITS RELATIONSHIP TO FOREST HABITAT COMPOSITION, STRUCTURE, AND SPATIAL PATTERN ON THE KAIBAB PLATEAU, ARIZONA.	COLORADO STATE UNIVERSITY	70,000.00	7/16/2013	12/31/2016
US Forest Service	13-JV-11221636-111		COLORADO STATE UNIVERSITY	127,804.00	6/5/2013	3/31/2015
US Forest Service	13-JV-11221636-153		COLORADO STATE UNIVERSITY	61,634.00	7/31/2013	8/31/2018
US Forest Service	13-JV-11221636-153	GENERAL EQUILIBRIUM MODEL OF ECOSYSTEM SERVICES	COLORADO STATE UNIVERSITY	83,470.00	7/31/2013	8/31/2018
US Forest Service	13-JV-11221636-156	APPLICATION OF THE VIC MODEL TO ESTIMATE WATER YIELD AND ASSESS VULNERABILITY OF WATER SHORTAGE	COLORADO STATE UNIVERSITY	66,000.00	8/26/2013	8/1/2018
US Forest Service	13-JV-11221636-156		COLORADO STATE UNIVERSITY	77,300.00	8/26/2013	8/1/2018
US Forest Service	13-JV-11221638-117	THE GLOBAL FOREST BIOMASS SURVEY	COLORADO STATE UNIVERSITY	60,652.74	6/18/2013	3/31/2014
US Forest Service	14-JV-11221611-142	COLLABORATIVE SUPPORT FOR MEDIA, JOURNALISM AND COMMUNICATION PROJECTS BETWEEN RMRS SCIENCE APPLICATION AND COMMUNICATION AND CSU SCHOOL OF JOURNALISM AND TECHNICAL COMMUNICATION	COLORADO STATE UNIVERSITY	30,000.00	7/16/2014	9/30/2016

US Forest Service	14-JV-11221631-163		COLORADO STATE UNIVERSITY	12,295.00	7/30/2014	8/31/2016
US Forest Service	14-JV-11221633-077	FIRE EFFECTS FOR DIFFERENT SLASH MANAGEMENT TECHNIQUES IN LOWER MONTANE PONDEROSA PINE FORESTS	COLORADO STATE UNIVERSITY	9,125.02	5/22/2014	9/30/2014
US Forest Service	14-JV-11221633-097	INTERACTIONS BETWEEN SPRUCE BEETLE AND FIRES IN COLORADO	COLORADO STATE UNIVERSITY	108,000.00	6/16/2014	9/30/2016
US Forest Service	14-JV-11221636-029		COLORADO STATE UNIVERSITY	356,694.00	1/21/2014	12/31/2015
US Forest Service	14-JV-11221636-113	AN EMPIRICAL INVESTIGATION OF COUNTY TO COUNTY MIGRATION: 1991-2010	COLORADO STATE UNIVERSITY	11,994.00	7/1/2014	9/30/2015
US Forest Service	14-JV-11221636-143	MODELING FOREST ECOSYSTEM SERVICES AND DEMAND FOR WATER IN LARGE LANDSCAPES	COLORADO STATE UNIVERSITY	55,840.00	7/22/2014	7/1/2019
USGS	05HQAG0097	Development of Aquatic GAP Analysis for Kansas	Kansas State University	13,752.00	5/12/2006	12/31/2007
USGS	05HQAG0097	GREAT PLAINS CESU MAIN AGREEMENT	University of Nebraska	0.00	10/6/2005	10/5/2010
USGS	05HQAG0097	USGS National Water Quality Assessment Project in South Dakota	South Dakota School of Mines & Technology	402,000.00	9/1/2008	8/31/2013
USGS	05HQAG0097	Carbon Sequestration Project	Texas A&M	20,000.00	9/7/2010	7/15/2011
USGS	05HQAG0097	Large Area Assessment of Land Changes and Their Driving Forces in the US 1973-2000	South Dakota State University	88,588.00	8/10/2010	8/31/2011
USGS						
USGS	G10AC00709	Great Plains Region Cooperative Ecosystem Studies Unit Joint Venture	North Dakota State University	422,190.00	9/1/2011	8/31/2015
USGS	G10AC00709	Movement Patterns of Hawaii's Forest Birds Based on Analysis of Stable Isotope Signature	University of Oklahoma	43,987.00	9/1/2012	8/31/2014
USGS	G10AC00709	Assessment of Debris Management for the USGS Tsunami Scenario	University of Nebraska	12,000.00	12/14/2013	12/13/2014

USGS	G10AC00709	Refined Monitoring Techniques for Interior Least Tern (<i>Sterna antillarum</i>) and Piping Plover (<i>Charadrius melodus</i>) Nests	University of North Dakota	179,422.00	7/1/2013	6/30/2015
USGS	G10AC00709	USGS Natural Water Quality Assessment Project in South Dakota	South Dakota School of Mines	93,600.00	7/1/2013	4/30/2015
USGS	G10AC00709	Migratory Birds and Disease Ecology	University of Oklahoma	68,150.00	4/1/2014	3/31/2016
USGS	G10AC00709	Upland Vegetation Management Strategies for the Mitigation of Climate Change Effects on Prairie Pothole Wetlands	North Dakota State University	13,224.00	7/1/2014	6/30/2015
USGS	G10AC00709	Fire Adapted Communities - Black Forest Fire	University of Idaho	7,999.00	7/15/2014	7/14/2015
USGS	G10AC00709	Evaluating Channel Morphologic Controls on Mid-Channel Sandbar Geometry in the Lower Platte River, NE	University of Wyoming	14,000.00	5/1/2014	4/30/2015
US Bureau of Reclamation	<u>R10AC60040</u>	Management of Natural History Collections from Reclamation Lands	South Dakota School of Mines and Technology	38,000.00	21-Jun-10	
US Bureau of Reclamation	<u>R12AC60027</u>	Archaeological Investigations, Fort Clark Irrigation District (CESU)	University of North Dakota	48,306.00	3-Jun-13	
BLM - CA	L12AC20100	West Mojave Desert Assess	Colorado State Univ	70,000.00	9/18/12-9/30/16	
BLM - WY	L10AC20468	Sage Grouse Connectivity	Colorado State Univ	11,470.00	9/25/10-8/31/15	
BLM - WY	L10AC20468	Mod 1	Colorado State Univ	35,000.00	7/26/2011	
BLM - WY	L10AC20468	Mod 2	Colorado State Univ	60,000.00	9/6/2011	
BLM - WY	L10AC20468	Mod 3	Colorado State Univ	70,000.00	9/23/2011	
BLM - WY	L10AC20307	Blowout Penstemon Taxonomy	Univ of Kansas	23,743.69	8/1/10-7/31/15	
BLM - WY	L13AC00089	Reclamation Grasses Genetics	Univ of WY	90,000.00	6/10/13-5/31/18	
FSA		estimation of the economic value of CRP for hunting activities in North Dakota and South Dakota	Colorado State University	60,000.00		
NRCS	68-7482-9-507	Plant Species	Kansas State University	24,000.00	1-Sep-09	31-May-12
NRCS	68-7482-9-521	COMET-Farm	Colorado State University	224,478.00	31-Aug-09	31-Dec-10
NRCS	68-7482-9-522	Wetlands	SD Sch Mines & Tech	70,000.00	12-Aug-09	30-Sep-11
NRCS	68-7482-10-506	Rapid Assessment	Univ of Nebraska	182,952.00	20-May-10	30-Apr-13
NRCS	68-7482-10-519	Dynamic Soil Prop	Kansas State University	30,000.00	1-Oct-10	30-Sep-12

NRCS	68-7482-10-521	Transition from Prairie	Univ of Nebraska	20,000.00	1-Oct-10	30-Sep-12
NRCS	68-7482-10-524	Qualify Dispersion	North Dakota State Univ	25,000.00	17-Sep-10	30-Sep-12
NRCS	68-7482-11-546	"Impacts of Climate and Erosion on Soil Change: Implications for North Dakota Soil Quality"	North Dakota State	40,000.00	1-Oct-11	30-Sep-13
NRCS	68-7482-11-550	Soil Survey Training Video Development and Support for International Union of Soil Scientists Soil Classification Conference	Univ of Nebraska	22,000.00	15-Sep-11	30-Sep-13
NRCS	68-7482-12-503	Mineral and Proximate Analysis of Biomass Species from Weathering	Univ of Nebraska	100,000.00	10-May-12	31-May-15
NRCS	68-7482-12-511	Tillage Tool Parameter Evaluation (Phases 1 and 2)	Oklahoma State Univ	80,000.00	28-Jun-12	30-Sep-14
NRCS	68-7482-12-517	Evaluation of Saline and Sodium Affected Soils of the Northern Great Plains	North Dakota State	75,000.00	15-Sep-12	15-Sep-15
NRCS	68-7482-12-519	Assembly, Archive and Distribution of scanned Soil Survey Information	Univ of Nebraska	30,000.00	1-Aug-12	31-Jul-15
NRCS	68-7482-13-501	Soil Survey Training Video Development	Univ of Nebraska	13,500.00	5-Apr-13	31-Mar-15
NRCS	68-7482-13-506	Conservation Effects Assessment Project-Wetlands Component (CEAP- Wetlands) regional assessment in the High Plains (THP) of Texas, New Mexico, OK, KS, CO, NE	Oklahoma State Univ	170,000.00	1-Sep-13	30-Sep-15
NRCS	68-7482-13-532	Development, coordination and presentation of Drainage Water Management Level II	South Dakota State Univ	151,896.00	20-Sep-13	31-Dec-14
NRCS		Training				
NRCS	68-7482-14-517	"Data Processing and Analysis: Rapid Assessment of US Soil Carbon for Climate Change and Conservation Planning	Univ of Nebraska	185,000.00	25-Sep-14	30-Sep-16
NPS	H6000060100	Administrative support for Great Plains Cooperative Ecosystem Studies Unit	University of Nebraska Lincoln	10,000.00	6/1/2009	3/31/2010
NPS	H6000060100	Administrative support for Great Plains Cooperative Ecosystem Studies Unit	University of Nebraska Lincoln	10,000.00	4/4/2010	12/31/2010
NPS	H6000060100	Administrative support for Great Plains Cooperative Ecosystem Studies Unit	University of Nebraska Lincoln	27,926.00	4/1/2010	12/31/2010

NPS	H6000060100	Administrative support for Great Plains Cooperative Ecosystem Studies Unit	University of Nebraska Lincoln	0.00	12/31/2010	9/30/11
NPS	H6000110100	Administrative support for Great Plains Cooperative Ecosystem Studies Unit	University of Nebraska Lincoln	5,000.00	10/6/2010	10/6/2015
NPS	J1300080049	Assess Long-term Viability of Restored Swift Foxes in Badlands National Park and western South Dakota	South Dakota State University	70,618.00	1/31/2008	12/31/2011
NPS	J1300080049	Assess Long-term Viability of Restored Swift Foxes in Badlands National Park and western South Dakota	South Dakota State University	32,665.00	1/31/2008	12/31/2011
NPS	J1300080049	Assess Long-term Viability of Restored Swift Foxes in Badlands National Park and western South Dakota	South Dakota State University	16,098.00		
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	67,209.00	1/1/2010	12/31/2012
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	15,000.00	1/1/2010	12/31/2012
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	42,007.00	1/1/2011	12/13/2012
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	15,664.00	1/1/2012	12/31/2012
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	0.00	8/5/2010	12/31/2012
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	0.00	1/1/2010	12/31/2012
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	0.00	1/1/2010	6/30/2013
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	0.00	6/30/2013	12/31/2013
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	0.00	7/1/2013	12/31/2013
NPS	J1300100029	Determine Erosion Rates at Select Fossil Sites to develop a paleontological monitoring program	South Dakota School of Mines and Technology	0.00	1/1/2010	6/1/2014

NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	35,000.00	9/16/2009	6/30/2012
NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	4,935.00	9/25/2009	6/30/2012
NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	18,253.00	9/25/2009	6/30/2013
NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	0.00	9/25/2009	6/30/2014
NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	0.00	9/16/2009	6/30/2014
NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	0.00	9/16/2009	6/30/2014
NPS	J1404094676	Paleontology and Paleocology of the Early Jurassic Glen Canyon Group in Dinosaur National Monument UT-CO	University of Nebraska Lincoln	0.00	9/16/2009	6/30/2014
NPS	J1526J5438	Assessing the Current State of Knowledge with regard to Bighorn Sheep (<i>Ovis canadensis</i>) at Rocky Mountain National Park	South Dakota State University	14,000.00	8/1/2008	1/31/2009
NPS	J1526J5438	Assessing the Current State of Knowledge with regard to Bighorn Sheep (<i>Ovis canadensis</i>) at Rocky Mountain National Park	South Dakota State University	0.00	8/1/2008	7/31/2010
NPS	J1526J5438	Assessing the Current State of Knowledge with regard to Bighorn Sheep (<i>Ovis canadensis</i>) at Rocky Mountain National Park	South Dakota State University	23,030.00	8/1/2008	9/30/2011
NPS	J1526J5438	Assessing the Current State of Knowledge with regard to Bighorn Sheep (<i>Ovis canadensis</i>) at Rocky Mountain National Park	South Dakota State University	23,500.00	8/1/2008	9/30/2011
NPS	J1526J5438	Assessing the Current State of Knowledge with regard to Bighorn Sheep (<i>Ovis canadensis</i>) at Rocky Mountain National Park	South Dakota State University	12,337.00	8/1/2008	9/30/2011
NPS	J1526J5438	Assessing the Current State of Knowledge with regard to Bighorn Sheep (<i>Ovis canadensis</i>) at Rocky Mountain National Park	South Dakota State University	-10,200.00	8/1/2008	12/31/2012
NPS	J156006CR02	Inventory of Wind Cave Biota: Microbial Diversity	Colorado State University	20,000.00	10/1/2006	5/1/2009

NPS	J6067100014	Study of the Effects of Deltamethrin on Salamanders in Priarie Dog Towns at Wind Cave National Park	Black Hills State University	9,900.00	6/1/2010	8/1/2012
NPS	J6067100014	Study of the Effects of Deltamethrin on Salamanders in Priarie Dog Towns at Wind Cave National Park	Black Hills State University	0.00	6/1/2010	12/31/2013
NPS	P11AC60527	Missouri National Recreational River Water Trail, Phase II	University of South Dakota	39,281.00	3/15/2011	9/1/2012
NPS	P11AC60527	Missouri National Recreational River Water Trail, Phase II	University of South Dakota	0.00	8/1/2010	6/30/2013
NPS	P11AC60664	Lewis and Clark Trail Outreach	University of South Dakota	7,050.00	8/5/2011	9/30/2013
NPS	P11AC60664	Lewis and Clark Trail Outreach	University of South Dakota	0.00	8/5/2011	9/30/2013
NPS	P11AC61050	Scotts Bluff National Monument Trails Plan	University of Nebraska Lincoln	19,227.70	8/1/2011	2/28/2013
NPS	P11AC61050	Scotts Bluff National Monument Trails Plan	University of Nebraska Lincoln	0.00	8/1/2011	7/31/2013
NPS	P11AC61056	Emergency Bank Analysis - GIS	University of South Dakota	35,000.00	8/15/2011	9/15/2012
NPS	P11AC61083	The Homesteading Records Project - Indexing	University of Nebraska Lincoln	20,000.00	8/1/2011	6/1/2012
NPS	P11AC61083	The Homesteading Records Project - Indexing	University of Nebraska Lincoln	0.00	8/1/2011	6/1/2013
NPS	P11AC61083	The Homesteading Records Project - Indexing	University of Nebraska Lincoln	0.00	8/1/2011	9/1/2013
NPS	P11AC91316	Great Plains Master Agreement	?	1.00	10/6/2010	10/6/2015
NPS	P12AC10146	Blood Run NHL	University of Iowa	0.00	6/20/2011	4/30/2014
NPS	P12AC10032	Anthropogenic soil disturbance affects and baseline inventory of nematodes for the George Washington Memorial Parkway, McLean, Virginia	University of Nebraska Lincoln	19,741.00	4/15/2012	9/1/2014

NPS	P12AC10310	Natural Resources Condition Assessment for TAPR, PIPE, HEHO, and HOME	Colorado State University	220,189.00	6/1/2012	9/30/2014
NPS	P12AC10350	Great Plains Fire Science Exchange	Kansas State University	122,392.00	6/1/2012	10/31/2013
NPS	P12AC10430	Archeological Remote Sensing Investigations within and around the Pecos Pueblo Trade Fair Area, Pecos National Historical Park, New Mexico	University of Nebraska Lincoln	52,647.00	5/15/2012	7/1/2013
NPS	P12AC10430	Archeological Remote Sensing Investigations within and around the Pecos Pueblo Trade Fair Area, Pecos National Historical Park, New Mexico	University of Nebraska Lincoln	0.00	8/14/2013	5/14/2014
NPS	P12AC10656	2013 Palo Alto Battlefield National Historical Park Public Outreach Event and Conference	University of Nebraska Lincoln	40,000.00	9/15/2012	9/15/2016
NPS	P13AC00089	Risk of Plague to Prairie Dog Populations in Five Great Plains Parks and Management Recommendations	University of South Dakota	45,540.00	5/15/2009	9/30/2012
NPS	P13AC00089	Risk of Plague to Prairie Dog Populations in Five Great Plains Parks and Management Recommendations	University of South Dakota	45,892.00	5/15/2008	9/30/2012
NPS	P13AC00089	Risk of Plague to Prairie Dog Populations in Five Great Plains Parks and Management Recommendations	University of South Dakota	0.00	5/15/2009	9/30/2013
NPS	P13AC00089	Risk of Plague to Prairie Dog Populations in Five Great Plains Parks and Management Recommendations	University of South Dakota	0.00	5/19/2009	9/30/2013
NPS	P13AC00285	Assess genetic integrity, population status, and long-term viability of isolated populations of shoal bass	Oklahoma State University	125,840.00	8/1/2013	7/31/2017
NPS	P13AC00426	Systematic Metal Detector Survey of the 1862 Encampment of the First Colorado Volunteer Infantry Regiment at Fort Union National Monument, Watrous, New Mexico	University of Nebraska Lincoln	49,660.00	8/1/2013	7/31/2015
NPS	P13AC00502	Archeological Inventory of the Platt National Park National Historic Landmark District (Platt Historic District), Chickasaw National Recreation Area	University of Nebraska Lincoln	81,000.00	6/15/2013	6/15/2015
NPS	P13AC00504	Develop and Implement Methods to Stabilize and Conserve Deteriorating Fossil Shale	South Dakota School of Mines and Technology	24,000.00	7/1/2013	9/30/2015
NPS	P13AC00692	Impacts of Grazing: Bison v. Cattle Add Davis Bacon language 7/12/2013	Sustainable Harvest Alliance	11,000.00	7/1/2013	9/30/2015

NPS	P13AC00959	Wetland/Amphibian Lens BASE Funding	University of South Dakota	39,187.00	8/3/2013	12/31/2015
NPS	P14AC00085	Civil War Project FOUN with Intermountain Region BASE Funding	University of Nebraska Lincoln	49,660.00	9/1/2013	12/31/2015
NPS	P14AC00085	Civil Project Intermountain Region - FOUN	University of Nebraska Lincoln	0.00	8/1/2013	12/31/2015
NPS	P14AC00086	Archeological Inventory of the Platt National Park National Historic Landmark District (Platt Historic District), Chickasaw National Recreation Area	University of Nebraska Lincoln	81,000.00	6/15/2013	6/15/2015
NPS	P14AC00086	Archeological Inventory of the Platt National Park National Historic Landmark District (Platt Historic District), Chickasaw National Recreation Area	University of Nebraska Lincoln	81,000.00	7/9/2013	7/9/2015
NPS	P14AC00086	Archeological Inventory of the Platt National Park National Historic Landmark District (Platt Historic District), Chickasaw National Recreation Area	University of Nebraska Lincoln	81,000.00	7/9/2013	7/9/2015
NPS	P14AC00086	Archeological Inventory of the Platt National Park National Historic Landmark District (Platt Historic District), Chickasaw National Recreation Area	University of Nebraska Lincoln	13,500.00	7/9/2013	7/9/2015
NPS	P14AC00125	Assess genetic integrity, population status, and long- term viability of isolated populations of shoal bass in Chattahoochee River National Recreation Area	University of Oklahoma	125,840.00	8/1/2013	9/30/2017
NPS	P14AC00550	Establish Baseline Data on Current Status of Bat Species within WICA	University of Wyoming	34,000.00	7/31/2014	7/31/2015
NPS	P14AC00550	Establish Baseline Data on Current Status of Bat Species within Wind Cave	University of Wyoming		8/1/2014	7/29/2016
NPS	P14AC00630	Statistical Analysis of Escherichia coli at Wind Cave NP	South Dakota School of Mines and Technology	5,000.00	6/15/2014	6/15/2015
NPS	P14AC00804	Create Virtual Missouri National Recreational River Water Trail E-Float	Missouri River Institute	35,336.00	7/1/2014	6/30/2016
NPS	P14AC00826	Woody invasives study at TAPR	Emporia State University	2,496.88	8/1/2014	9/30/2015
NPS	P14AC00826	TAPR Invasive Woody Vegetation	Emporia State University		7/18/2014	9/30/2016

NPS	P14AC01363	Assessing the geometries, topographies, and erosion rates of sandbar habitats in the lower Niobrara River - Missouri National Recreational River	University of Wyoming		9/15/2014	7/30/2015
NPS	P14AC01383	Asian Swamp Eels invasion study, Chatahoochee River NRA	Oklahoma State University	127,672.00	9/5/2014	12/31/2017
NPS	?	Missouri River Oral Histories	University of South Dakota	13,000.00	8/1/2010	8/31/2011
NPS	?	Missouri River Oral Histories	University of South Dakota	0.00	8/31/2011	10/1/2012
USACE	W912HZ-10-2-0009	Missouri River Basin Outreach - Information and Education	University of South Dakota	16,000.00	01/06/10	
USACE	W912HZ-10-2-0050 (SOI-0028)	Didymosphenia geminata in the Kootenai River, Montana, downstream from Libby Dam - Water Chemistry	South Dakota School fo Mines & Technology	75,000.00	09/28/10	
USACE	W912HZ-10-2-0050 P00001	Didymosphenia geminata in the Kootenai River, Montana, downstream from Libby Dam - Water Chemistry	South Dakota School fo Mines & Technology	71,382.00	03/11/11	
USACE	W912HZ-10-2-0050 P00002	Didymosphenia geminata in the Kootenai River, Montana, downstream from Libby Dam - Water Chemistry	South Dakota School fo Mines & Technology		07/11/11	
USACE	W912HZ-10-2-0009-P00001	Missouri River Basin Outreach - Information and Education	University of South Dakota	20,000.00	02/07/12	
USACE	W912HZ-12-2-0009	Ecological Responses to the 2011 Flood Along the Missouri River: Impacts on Cottonwood Forests, Songbirds, and Landscape Change	University of South Dakota	1,557,932.00	05/21/12	
USACE	W912HZ-12-2-0009 P00001	Ecological Responses to the 2011 Flood Along the Missouri River: Impacts on Cottonwood Forests, Songbirds, and Landscape Change	University of South Dakota		06/04/12	
USACE	W912HZ-10-2-0050 P00004	Didymosphenia geminata in the Kootenai River, Montana, downstream from Libby Dam - Water Chemistry	South Dakota School fo Mines & Technology	87,405.00	09/27/13	
USACE	W912HZ-14-2-0008	Testing Methods for Determining the Frequency of a Species Wetland Rating	Colorado State University	175,000.00	07/29/14	